



Release Date: September, 2015

Updates:

# Database Foundations

1-1

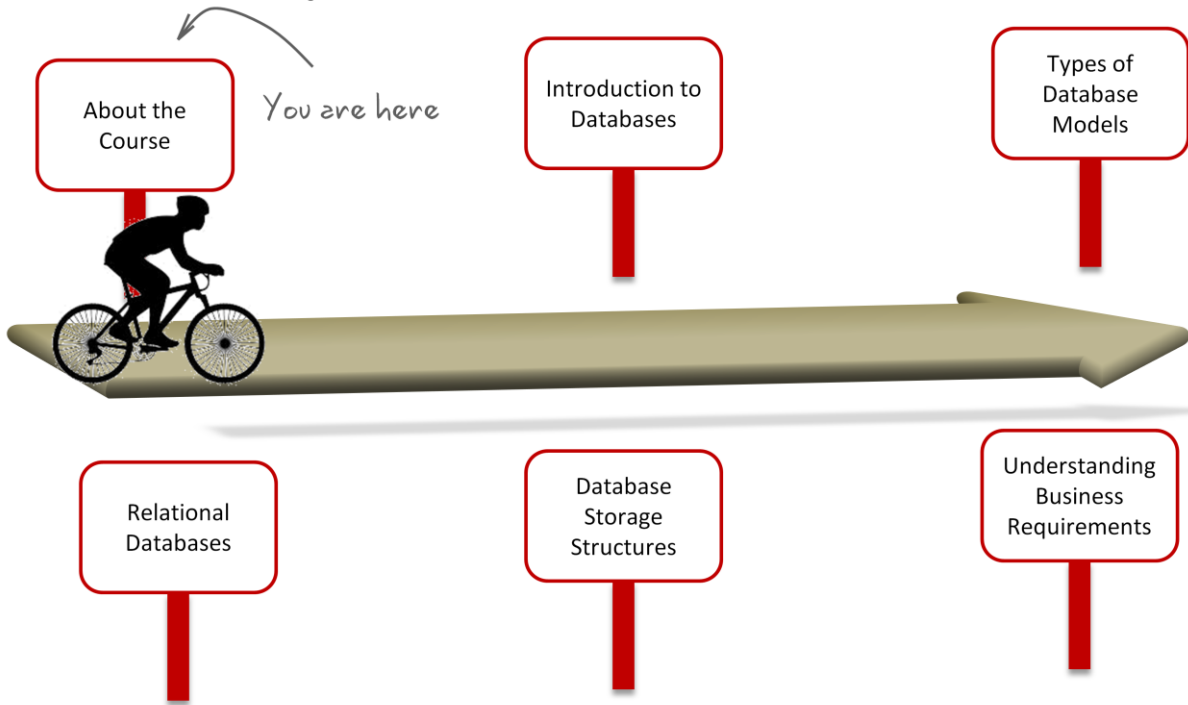
Introduction



**ORACLE** ACADEMY

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# Roadmap



# Objectives

This lesson covers the following objectives:

- Identify the course goals and objectives
- Describe the course learning strategy
- Understand the course environment

# Course Goals

The goal of this course is for you to be able to:

- Describe the purpose of a relational database
- Describe key business requirements when developing a database
- Use data modeling to architect a relational database



# Course Goals

The goal of this course is for you to be able to:

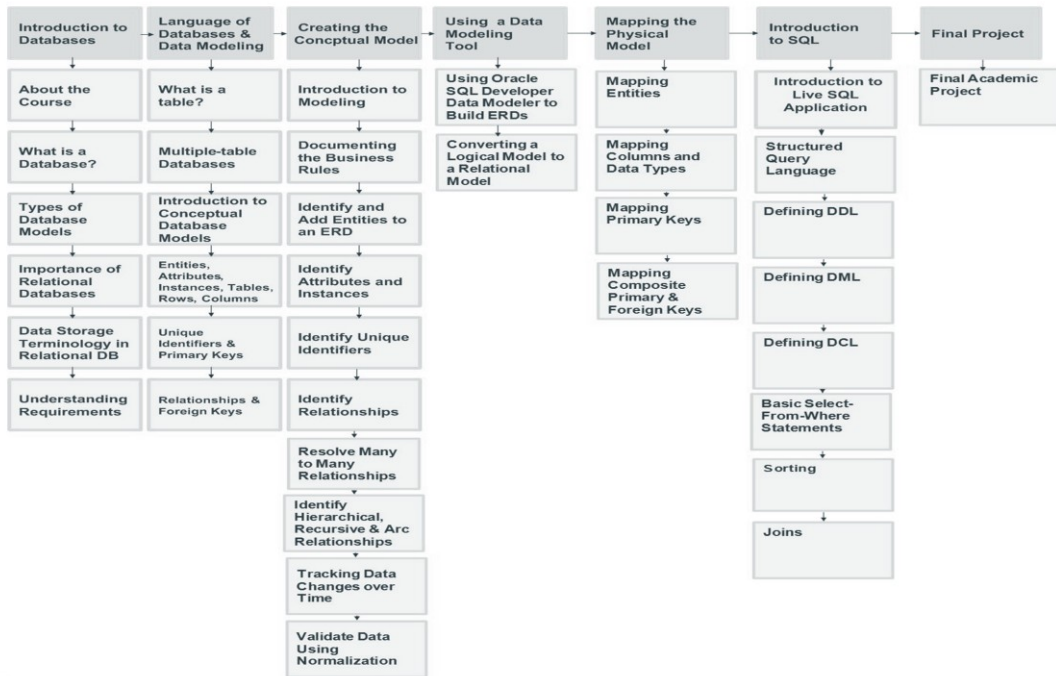
- Develop an entity relationship diagram (ERD) to model data
- Use Oracle SQL Developer Data Modeler to build ERDs
- Map a physical model from an ERD

# Course Goals

The goal of this course is for you to be able to:

- Create a physical model from a logical model (ERD)
- Write, execute, and save SQL statements in Oracle Application Express

# Course Outline



The slide displays the topics that are covered in this course. Following most topics, you practice the concepts learned by performing hands-on exercises.

# Course Strategy

- Instructor-led training
- Project-driven curriculum
- Industry-recognized certification



# Technological Requirements

- Oracle SQL Developer (version 4)
- Oracle SQL Developer Data Modeler (version 4)
- Access to the Oracle APEX application



The slide lists the basic technological requirements for this course.

# Links to Resources

- Oracle Database 12c
  - <https://docs.oracle.com/en/database/>
  - <https://www.oracle.com/database/index.html>



# Links to Resources

- Oracle SQL Developer
  - <http://www.oracle.com/technetwork/developer-tools/sql-developer/index.html>
  - <http://www.oracle.com/technetwork/developer-tools/sql-developer/learnmore/index.html>
- Oracle SQL Developer Data Modeler
  - <http://www.oracle.com/technetwork/developer-tools/datamodeler/index.html>



# Summary

In this lesson, you should have learned how to:

- Identify the course goals and objectives
- Understand the course environment
- Describe the course learning strategy

